

CLAIMS

What is claimed is:

1. A flow adjustment device for use with a blower comprising:
a base; and
a plurality of blades coupled to said base;
wherein said flow adjustment device is one-touch attachable to said blower.
2. The flow adjustment device of Claim 1 wherein:
said blades are fixed; and
positioned radially around said base.
3. The flow adjustment device of Claim 1 wherein:
said blades are positioned in the form of a louver.
4. A flow adjustment device for use with a blower comprising:
a base; and
a plurality of blades coupled to said base;
wherein said base is comprised of:
a plane surface; and
a turned-up wall surface.
5. The flow adjustment device of Claim 4 further comprising:
a means for mounting said flow adjustment device to said blower.
6. The flow adjustment device of Claim 4 further comprising:

- a protrusion centered on the plane surface of said base.
7. The flow adjustment device of Claim 4 further comprising:
a cavity formed in the center of the plane surface of said base.
8. The flow adjustment device of Claim 4 further comprising:
a plurality of pairs of projections extending from the planar surface
of said base.
9. The flow adjustment device of Claim 8 wherein:
said pairs of projections have hook-like latches.
10. The flow adjustment device of Claim 4 further comprising:
a plurality of small holes in the planar surface of said base.
11. The flow adjustment device of Claim 4 further comprising:
a plurality of notches in the turned up wall surface of said base.
12. The flow adjustment device of Claim 4 further comprising:
a protrusion centered on the plane surface of said base;
a plurality of pairs of projections extending from the plane surface
of said base; and
a plurality of notches in the turned up wall surface of said base.
13. An axial flow blower comprising:
a blower casing;
a motor base having a plane surface;

a plurality of ribs for mounting said motor base to said blower casing;
a stator assembly affixed to said motor base;
a rotor assembly, including a plurality of fan blades rotatably mounted to
said motor base; and

a plurality of holes in said plane surface of said motor base.

14. An axial flow blower comprising:

a blower casing;

a motor base having a plane surface;

a plurality of ribs for mounting said motor base to said blower casing;

a stator assembly affixed to said motor base;

a rotor assembly, including a plurality of fan blades, rotatably mounted to
said motor base; and

a plurality of protrusions extending from said plane surface of said motor
base.

15. A fan comprising:

a blower;

a flow adjustment device; and

a means for one touch attaching said flow adjustment device to said
blower.

16. The fan of Claim 15 wherein:

said flow adjustment device can be easily detached from said blower.

17. A fan comprising:

a blower;
a flow adjustment device;
a plurality of pairs of projections extending from said flow adjustment device; and
a matching plurality of openings in said blower.

18. The fan of Claim 17 further comprising:
a means for centering said flow adjustment device with respect to said blower during the attachment of said flow adjustment device to said blower..

19. A fan comprising:
a blower;
a flow adjustment device;
a plurality of pairs of projections extending from said blower; and
a matching plurality of openings in said flow adjustment device.

20. A fan comprising:
a blower casing;
a motor base having a motor base plane surface;
a plurality of ribs for mounting said motor base to said blower casing;
a stator assembly affixed to said motor base;
a rotor assembly, including a plurality of fan blades, rotatably mounted to said motor base;
a plurality of holes in said motor base plane surface;
a blade base;

a plurality of blades coupled to said blade base;

wherein said blade base is comprised of:

a blade base plane surface;

a turned-up wall surface;

a protrusion centered on the blade base plane surface;

a plurality of pairs of projections extending from the blade base plane surface; and

a plurality of notches in the turned up wall surface.

21. A method of adjusting a fan's airflow comprising the step of:
one-touch attaching an airflow adjustment device to a blower.

22. A method of attaching an airflow adjustment device to a blower comprising
the steps of:

aligning the airflow adjustment device with the blower; and
pushing the airflow adjustment device into the blower.

23. A method of manufacturing a fan comprising the steps of:
obtaining a blower of a specific type;
obtaining a plurality of types of airflow adjustment devices;
obtaining specific requirements for said fan;
selecting an appropriate airflow adjustment device out of said plurality of
types of airflow adjustment devices according to said specific requirements;
attaching said appropriate airflow adjustment device to said blower.

24. A method of manufacturing a fan comprising the steps of:

manufacturing a blower of a specific type;
manufacturing a plurality of types of airflow adjustment devices;
receiving an order for a fan where said order includes specific requirements for said fan;
selecting an appropriate airflow adjustment device out of said plurality of types of airflow adjustment devices according to said specific requirements;
shipping said appropriate airflow adjustment device and said blower.

25. The method of manufacturing according to Claim 24 wherein:
said airflow adjustment device is attached to said blower prior to shipping.
26. A method of adjusting a fan's airflow comprising the steps of:
removing a first airflow adjustment device; and
attaching a second airflow adjustment device.